

SUB
E
CONT.
D1
CONT.

candidate substance under conditions effective to allow aggregated amyloid formation; and

- (b) determining the ability of said candidate substance to inhibit the aggregation of the [mammalian] aggregate-prone amyloid protein.

- D2
4. (Amended twice) The method of claim 1, wherein the [mammalian] aggregate-prone amyloid protein is a chimeric protein.

Please add the following claims:

~~38~~
38. A method of identifying a candidate substance that inhibits mammalian aggregate-prone amyloid proteins from forming a fibril, comprising:

- ~~38~~
38
this is a new invention. support? withdrawn
- (a) contacting a yeast cell that expresses an aggregate-prone amyloid protein comprising a mammalian aggregate-prone amyloid peptide with the candidate substance under conditions effective to allow fibril formation; and
- (b) determining the ability of said candidate substance to inhibit the aggregate-prone amyloid protein from forming a fibril.

D3
39
39
39
The method of claim 38, wherein the aggregate-prone amyloid protein comprises a PrP or β -amyloid polypeptide.

40
40
40
The method of claim 38, wherein the aggregate-prone amyloid protein is a chimeric protein.--